

## DAIKIN RXF24AXVJU, FTXF24AXVJU

# Daikin OTERRA 20 SEER2 24K BTU Heat Pump Hi-Wall Fan Coil System User Manual

Models: RXF24AXVJU, FTXF24AXVJU

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Daikin OTERRA 20 SEER2 24K BTU Heat Pump Hi-Wall Fan Coil System. This system is designed to provide comfortable cooling and heating for residential or light commercial spaces, utilizing R-32 refrigerant for high efficiency. Please read this manual thoroughly before using the unit and retain it for future reference.



**Figure 1: Daikin OTERRA Mini-Split System Components**

This image displays the complete Daikin OTERRA mini-split system. It features the sleek white indoor wall-mounted fan coil unit at the top, the robust outdoor heat pump condenser unit below it, and the wireless remote control on the right side, used for operating the system.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury or damage to property.

- **Professional Installation:** Installation, relocation, and maintenance of this equipment must be performed by a qualified service technician. Improper installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the unit's specifications. Do not operate with wet hands. Disconnect power before cleaning or servicing.
- **Refrigerant Handling:** This system uses R-32 refrigerant. Only qualified personnel should handle refrigerant. Do not discharge refrigerant into the atmosphere.
- **Children and Pets:** Keep children and pets away from the outdoor unit. Do not allow children to operate the remote control without supervision.
- **Obstruction:** Do not block the air inlet or outlet of either the indoor or outdoor unit. This can lead to reduced performance or malfunction.

### 3. PACKAGE CONTENTS

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Verify that all components are present upon unpacking:

- Indoor Fan Coil Unit (Model: FTXF24AXVJU)
- Outdoor Heat Pump Unit (Model: RXF24AXVJU)
- Wireless Remote Control
- User Manual (this document)
- Installation Manual (separate document for professional installers)
- Batteries for Remote Control

### 4. SETUP AND INSTALLATION

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Installation of the Daikin OTERRA system requires specialized knowledge and tools. It is mandatory that installation be performed by a certified HVAC professional to ensure proper function, safety, and warranty validity.

#### 4.1 Site Selection

- **Indoor Unit:** Select a location that allows for even air distribution, away from direct sunlight or heat sources, and with sufficient space for maintenance.
- **Outdoor Unit:** Choose a well-ventilated area, free from obstructions, and with adequate drainage. Ensure it is placed on a stable, level surface.

#### 4.2 Electrical Connections

All electrical work must comply with local and national electrical codes. The system requires a dedicated power circuit. Refer to the installation manual for detailed wiring diagrams and specifications.

- Ensure the correct voltage (230 Volts) is supplied.
- Install a circuit breaker or disconnect switch near the outdoor unit for safety.

### 5. OPERATING INSTRUCTIONS

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Your Daikin OTERRA system is operated primarily via the wireless remote control.

#### 5.1 Remote Control Functions

Insert the provided batteries into the remote control. Point the remote control towards the indoor unit when operating.

- **ON/OFF Button:** Powers the unit on or off.
- **MODE Button:** Cycles through operating modes: Auto, Cool, Dry, Heat, Fan.
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **FAN Button:** Selects fan speed (Auto, Low, Medium, High).
- **SWING Button:** Controls the vertical airflow direction.
- **TIMER Button:** Sets the on/off timer.
- **SILENT Button:** Activates quiet operation mode.

## 5.2 Operating Modes

- **COOL Mode:** Provides cooling. Set desired temperature between 64°F (18°C) and 86°F (30°C).
- **HEAT Mode:** Provides heating. Set desired temperature between 60°F (16°C) and 86°F (30°C).
- **DRY Mode:** Dehumidifies the room. The fan speed is automatically controlled.
- **FAN Mode:** Circulates air without heating or cooling. Fan speed can be adjusted.
- **AUTO Mode:** The system automatically selects cooling or heating based on the room temperature and your set temperature.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your Daikin OTERRA system. Always turn off the power supply to the unit before performing any maintenance.

### 6.1 Air Filter Cleaning

Clean the air filters every two weeks, or more frequently if the unit is used heavily or in dusty environments.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water and a mild detergent.
4. Rinse thoroughly and allow to dry completely in a shaded area before reinstalling.
5. Close the front panel securely.

### 6.2 Outdoor Unit Cleaning

Periodically check the outdoor unit for debris, leaves, or other obstructions. Gently remove any blockages from the coil fins and fan area. Do not use harsh chemicals or high-pressure water directly on electrical components.

### 6.3 Professional Inspection

It is recommended to have a qualified technician perform a comprehensive inspection and cleaning of the entire system annually.

## 7. TROUBLESHOOTING

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Before contacting service, review the following common issues and solutions.

Problem	Possible Cause	Solution
Unit does not operate	No power; Remote control batteries low; Timer set	Check power supply/breaker; Replace batteries; Cancel timer setting

Problem	Possible Cause	Solution
Insufficient cooling/heating	Dirty air filters; Blocked outdoor unit; Doors/windows open; Incorrect mode/temperature setting	Clean air filters; Clear obstructions; Close openings; Adjust settings
Unusual noise	Loose parts; Debris in fan; Refrigerant flow sound (normal)	Contact service if persistent or loud; Check for debris; Gurgling sounds are normal during operation
Water leakage from indoor unit	Clogged drain hose; Improper installation	Contact a qualified technician for inspection and repair

If the problem persists after attempting these solutions, or if an error code appears on the display, please contact a qualified Daikin service technician.

## 8. SPECIFICATIONS

Key technical specifications for the Daikin OTERRA 20 SEER2 24K BTU Heat Pump Hi-Wall Fan Coil System.

Feature	Specification
Brand	DAIKIN
Model (Indoor Unit)	FTXF24AXVJU
Model (Outdoor Unit)	RXF24AXVJU
System Capacity	2 Tons (24,000 BTU)
Cooling Capacity	Up to 26,400 BTU/h
Heating Capacity	Up to 28,600 BTU/h
SEER2 Rating	20
Refrigerant Type	R-32
Voltage	230 Volts
Noise Level (Indoor Unit)	As low as 30 dB
Indoor Unit Dimensions (DxWxH)	10.75" x 39.56" x 11.69"
System Weight	Approximately 131.5 lbs
Special Features	Fast Cooling, Heating & Cooling Function, Inverter Compressor, Remote Controlled, Silent Mode

## 9. WARRANTY AND SUPPORT

Daikin products are manufactured to high standards and are backed by a limited warranty. Specific warranty terms and conditions, including duration and coverage, are provided with your product documentation at the time of purchase. Please retain your proof of purchase for warranty claims.

## 9.1 Customer Support

For technical assistance, warranty inquiries, or to locate a certified service provider, please refer to the contact information provided in your warranty documentation or visit the official Daikin website.

### Related Documents - RXF24AXVJU, FTXF24AXVJU

	<p><a href="#">Daikin APM5 15.2 SEER2 5-Ton Heat Pump Installation Instructions</a></p> <p>Comprehensive installation guide for the Daikin APM5 15.2 SEER2 5-Ton 'M' Series Heat Pump with R-32 refrigerant, covering safety, unit location, electrical wiring, ducting, startup, and troubleshooting.</p>
	<p><a href="#">Daikin DP5HM Series Packaged Heat Pump Installation Instructions</a></p> <p>Comprehensive installation guide for Daikin DP5HM SEER2 'M' Series Packaged Heat Pumps, detailing safety precautions, unit setup, electrical connections, operational procedures, and troubleshooting for qualified technicians.</p>
	<p><a href="#">Daikin DP3HM 13.4 SEER2 'M' Series Heat Pump Installation Instructions</a></p> <p>Comprehensive installation guide for Daikin DP3HM 13.4 SEER2 'M' Series packaged heat pump units with R-32 refrigerant. Covers safety, unit location, rigging, ducting, electrical wiring, start-up procedures, and troubleshooting.</p>
	<p><a href="#">Daikin DP5HM Series: High-Efficiency R-32 Packaged Heat Pump Guide</a></p> <p>Daikin DP5HM series packaged heat pumps offer R-32 refrigerant and high-efficiency performance with SEER2 up to 15.2 and HSPF2 up to 6.7. This comprehensive guide covers model specifications, cooling and heating data, airflow, dimensions, wiring diagrams, and accessories for 2 to 5 ton units.</p>
	<p><a href="#">Daikin DP3HM Series R-32 Packaged Heat Pump Installation Instructions</a></p> <p>Comprehensive installation instructions for Daikin DP3HM 13.4 SEER2 'M' Series Packaged Heat Pump Units with R-32 refrigerant. Covers safety, installation procedures, electrical wiring, startup, and maintenance.</p>

CHPEA Series Two Way  
Horizontal Cased Coil  
INSTALLATION INSTRUCTIONS



BEFORE THE FIELD  
TO SAFETY PRECAUTIONS

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[CHPEA Series Horizontal Cased Coil Installation Instructions | Daikin, Goodman, Amana](#)

Comprehensive installation manual for the Daikin, Goodman, and Amana CHPEA Series Two Way Horizontal Cased Coil. Covers safety, R-32 refrigerant, A2L requirements, wiring, piping, and troubleshooting for HVAC professionals.